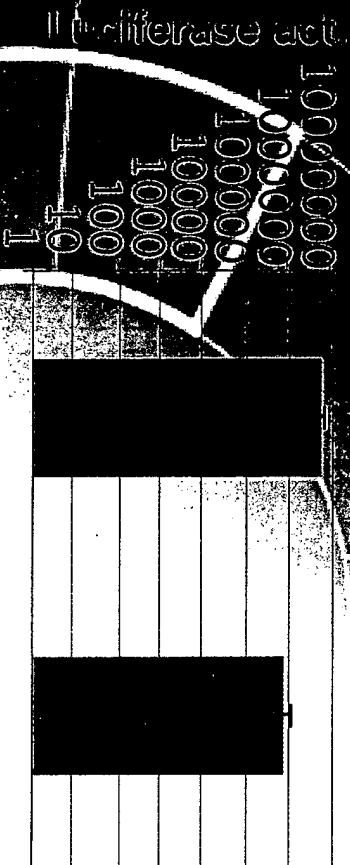


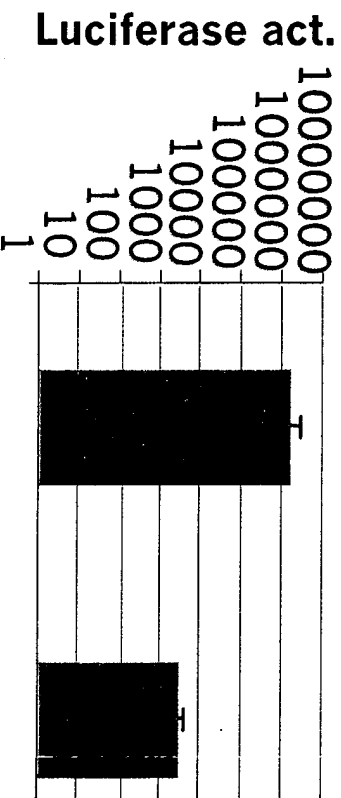
Example II: viral lysis by serum

Serum of monkey (pre-treatment)

Ad5



Ad5.Fib16



1/4 diluted serum, dose: 500 vp / cell, A549 cells

Serum effect is independent of antibodies

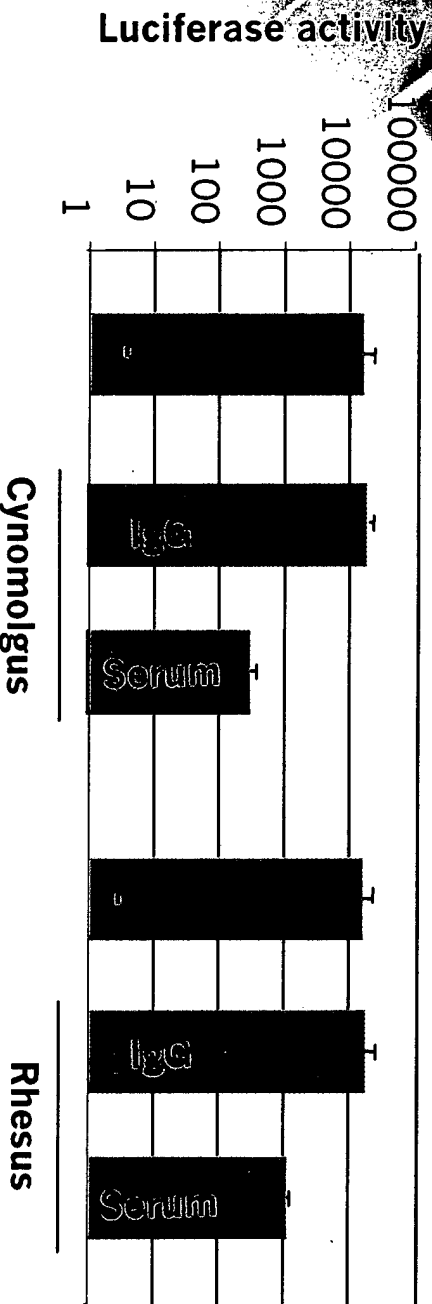


Fig. 1

Complete III: Neutralizing antibodies

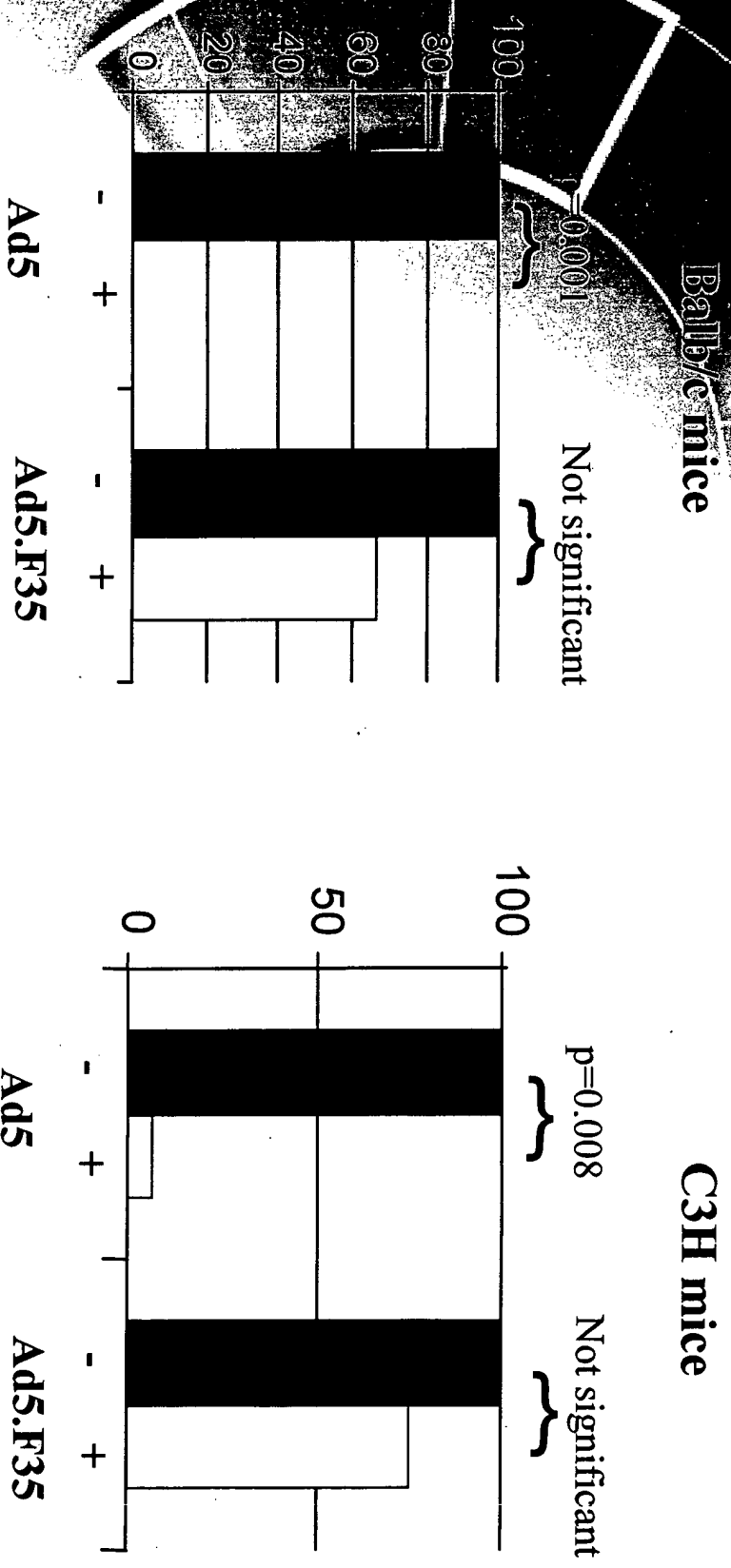


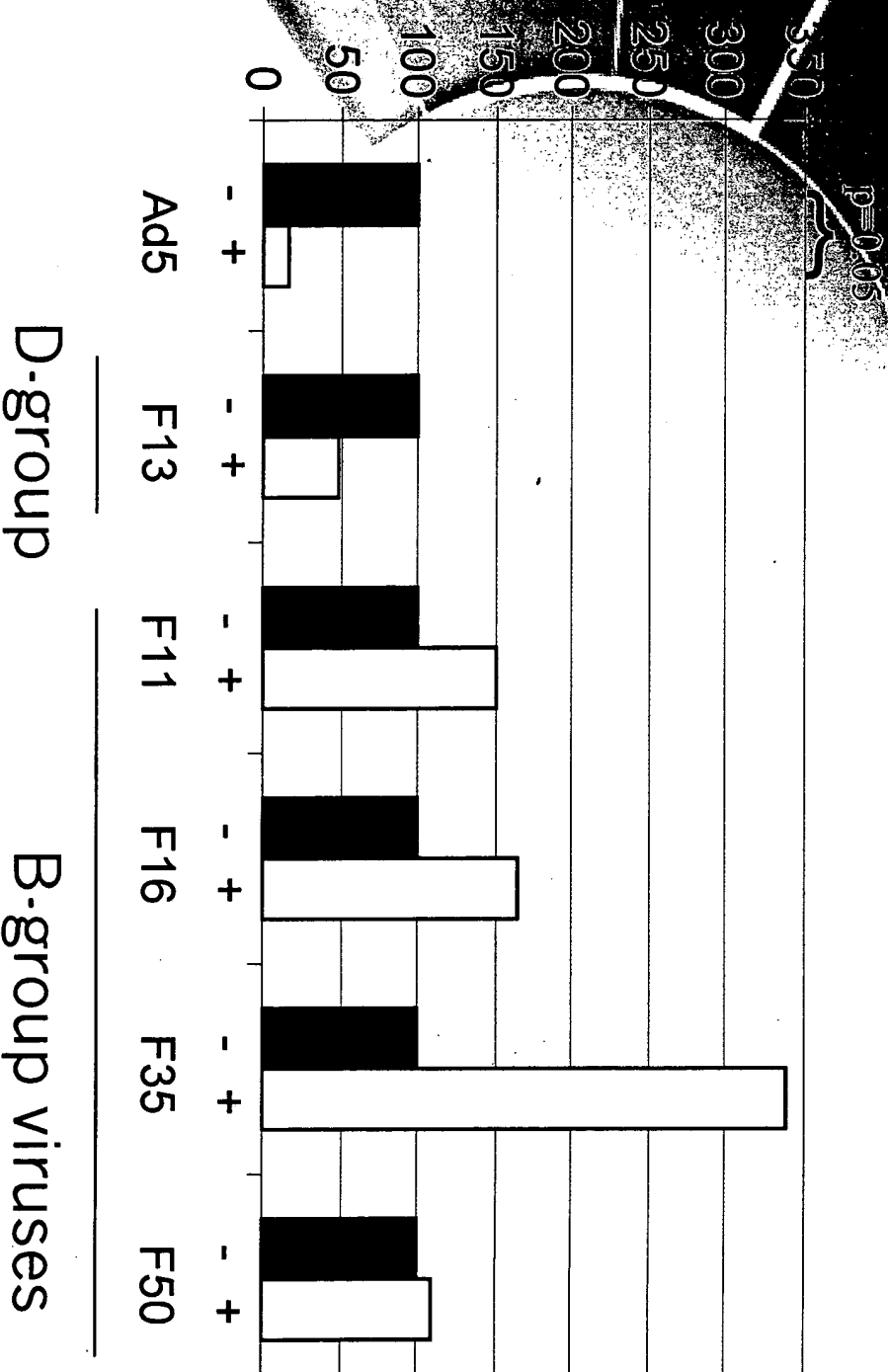
Fig. 2

P values determined via “Mann-Whitney U” test

Multiple III: Neutralizing antibodies

C57/ Bl6 mice

Fig. 3



P values determined via "Mann Whitney U test"

Differences in structural design of Fiber-chimeric vector

Crystallipotent:

~ Complete deletion of Ad5 fiber and insertion of complete Ad7 fiber.

~ Gall et al: J. Virol Vol 70, p2120:

"We have shown that amino acid homology between the tail regions of Ad5 and Ad7 is sufficient to allow functional replacement of the Ad5 fiber with Ad7 fiber..."

Crucell:

~ Retained Fiber tail of Ad5 to ensure proper interaction with Ad5 penton-base (I.e. homology between Ad7 and Ad5 in fiber tail region is 57% on a.a. level)

Substantial difference in vector stability expected

Fig. 4